



Drought Information Statement for Southern Wisconsin

Valid October 19, 2023

Issued By: NWS Milwaukee

Contact Information: nws.milwaukee@noaa.gov

- This product will be updated November 2, 2023 or sooner if conditions change considerably.
- Please see all currently available products at <https://drought.gov/drought-information-statements>
- Please visit <https://www.weather.gov/mkx/DroughtInformationStatement> for previous statements.



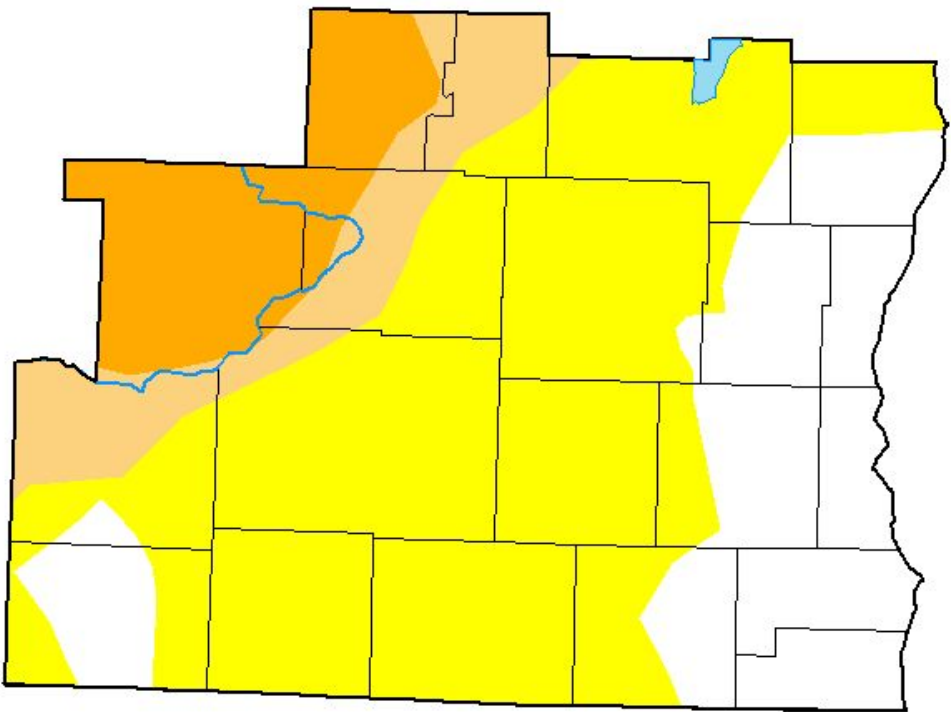


Wisconsin Drought Update

October 19, 2023
10:00 AM

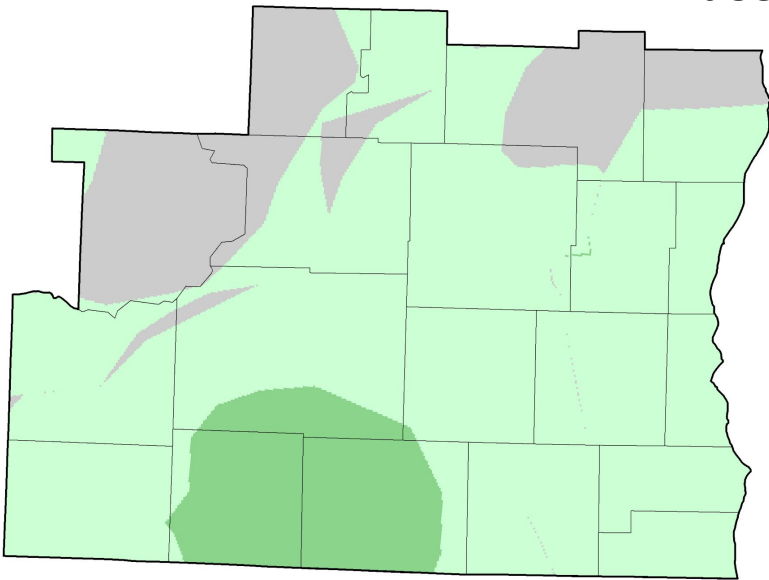
- Drought conditions improved 1 to 2 categories across parts of southern Wisconsin.
- Severe drought continues in Sauk, Marquette, and western Columbia county.
- Conditions are rated as Abnormally Dry to No Drought across southeast and much of south-central Wisconsin.

U.S. Drought Monitor
**Milwaukee/
Sullivan, WI WFO**



October 17, 2023
(Released Thursday, Oct. 19, 2023)
Valid 8 a.m. EDT

1 Week Drought Condition
Class Change



droughtmonitor.unl.edu





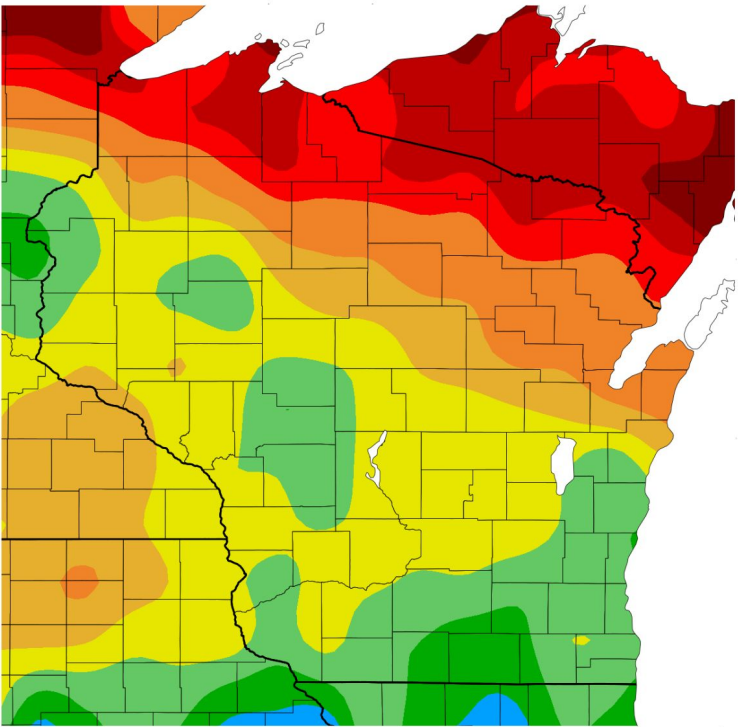
Precipitation

October 19, 2023
10:00 AM

Images courtesy of High Plains Regional Climate Center

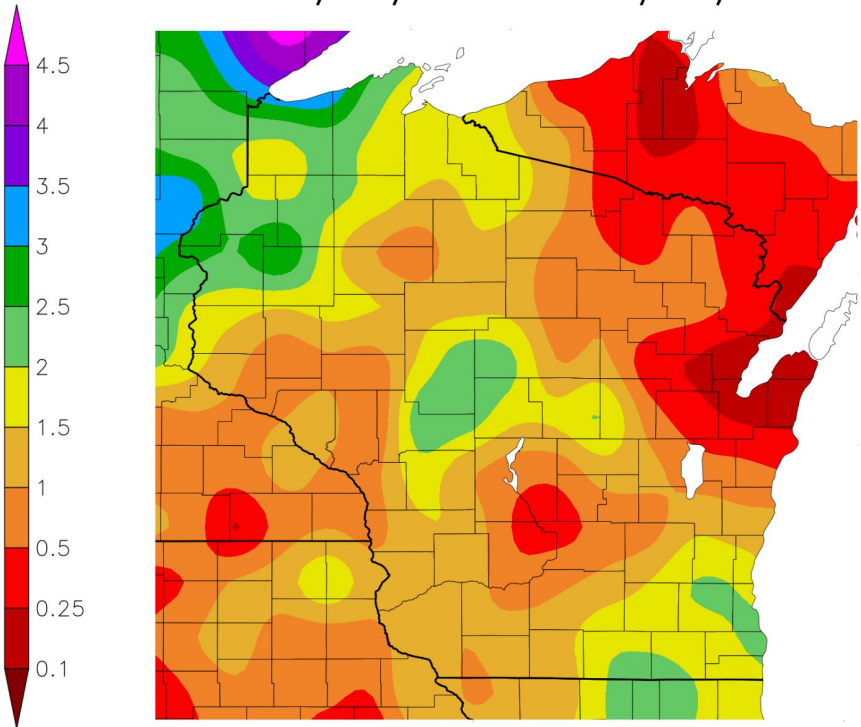
Past 30 Days Total Precipitation

Precipitation (in)
10/11/2023 – 10/17/2023



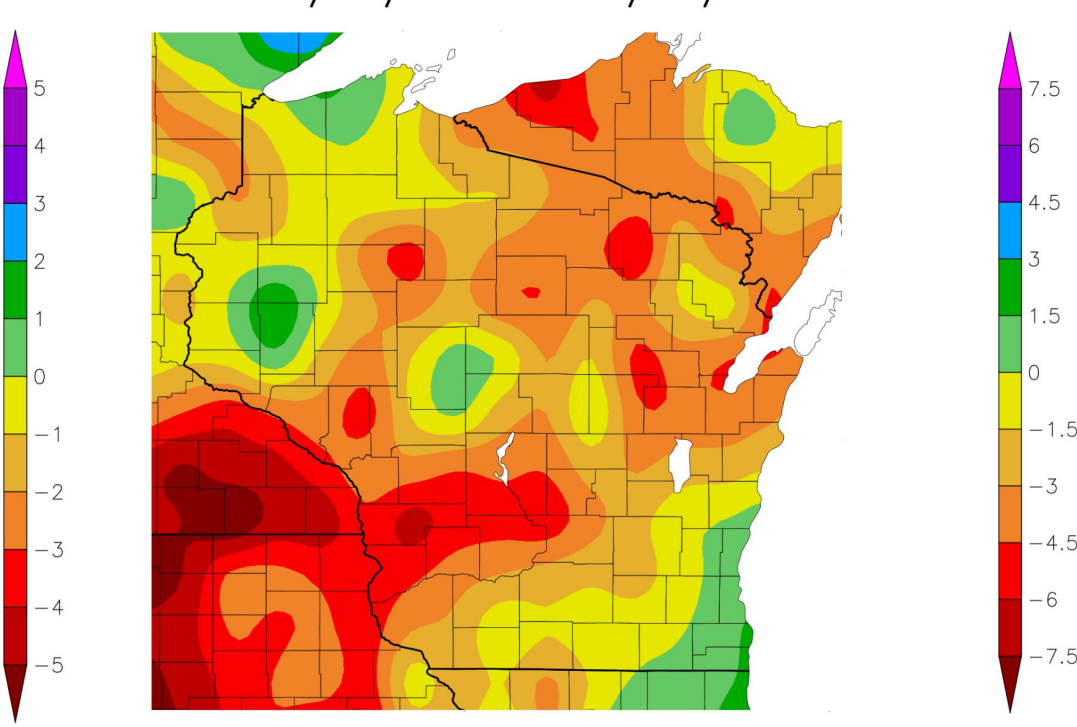
Past 2 Months Precipitation Anomaly

Departure from Normal Precipitation (in)
8/19/2023 – 10/17/2023



Past 4 Months Precipitation Anomaly

Departure from Normal Precipitation (in)
6/20/2023 – 10/17/2023



- Rainfall over the past week was 1.5 to 3 inches across southern Wisconsin, which is 3 to 4 times the weekly average.
- Areas north and west of Madison received less than far southern and southeast Wisconsin. These areas have deficits of 2 to 4 inches over the past 2 months (center) and 3 to 6 inches over the past 4 months (right), which is why Severe Drought continues in that area.
- Precipitation anomalies are positive across southeast Wisconsin over the past 2 to 4 months (center and right) and as a result, drought conditions improved. Deficits up to 3 inches remain for the calendar year (not shown).



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Milwaukee, WI

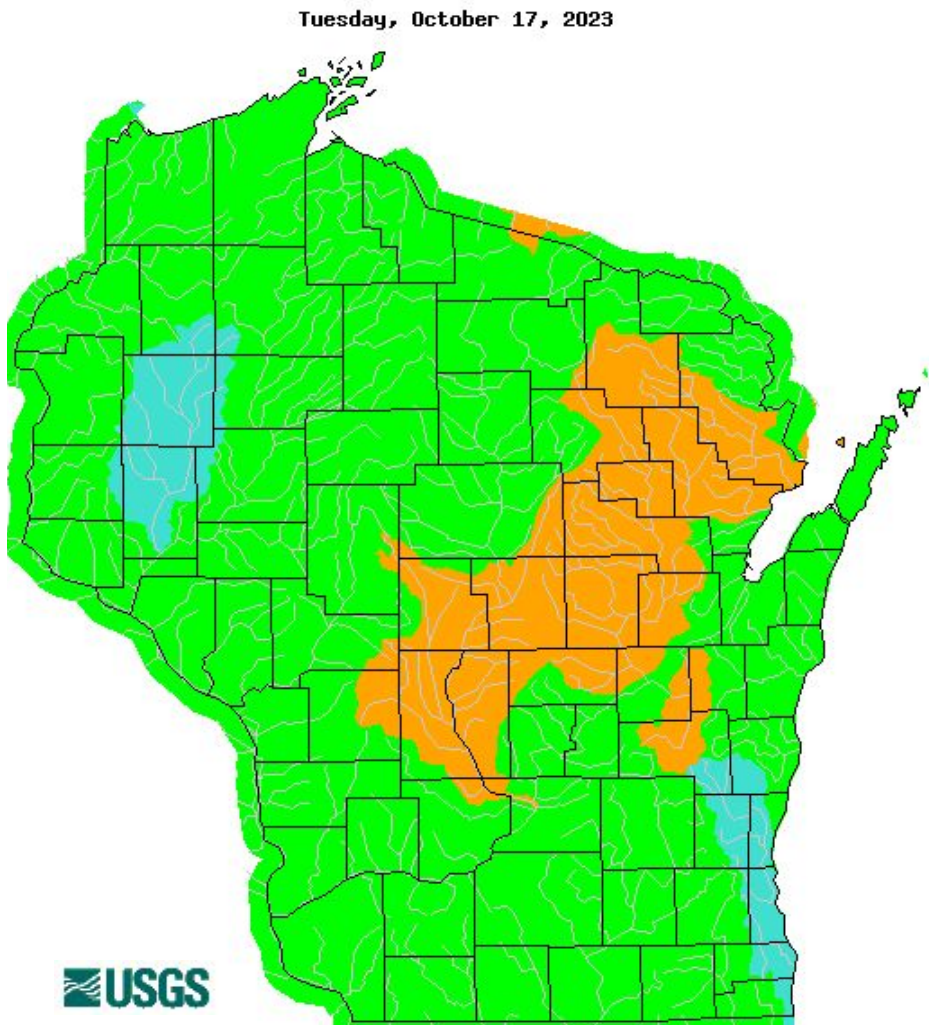


Current Conditions

October 19, 2023
10:00 AM

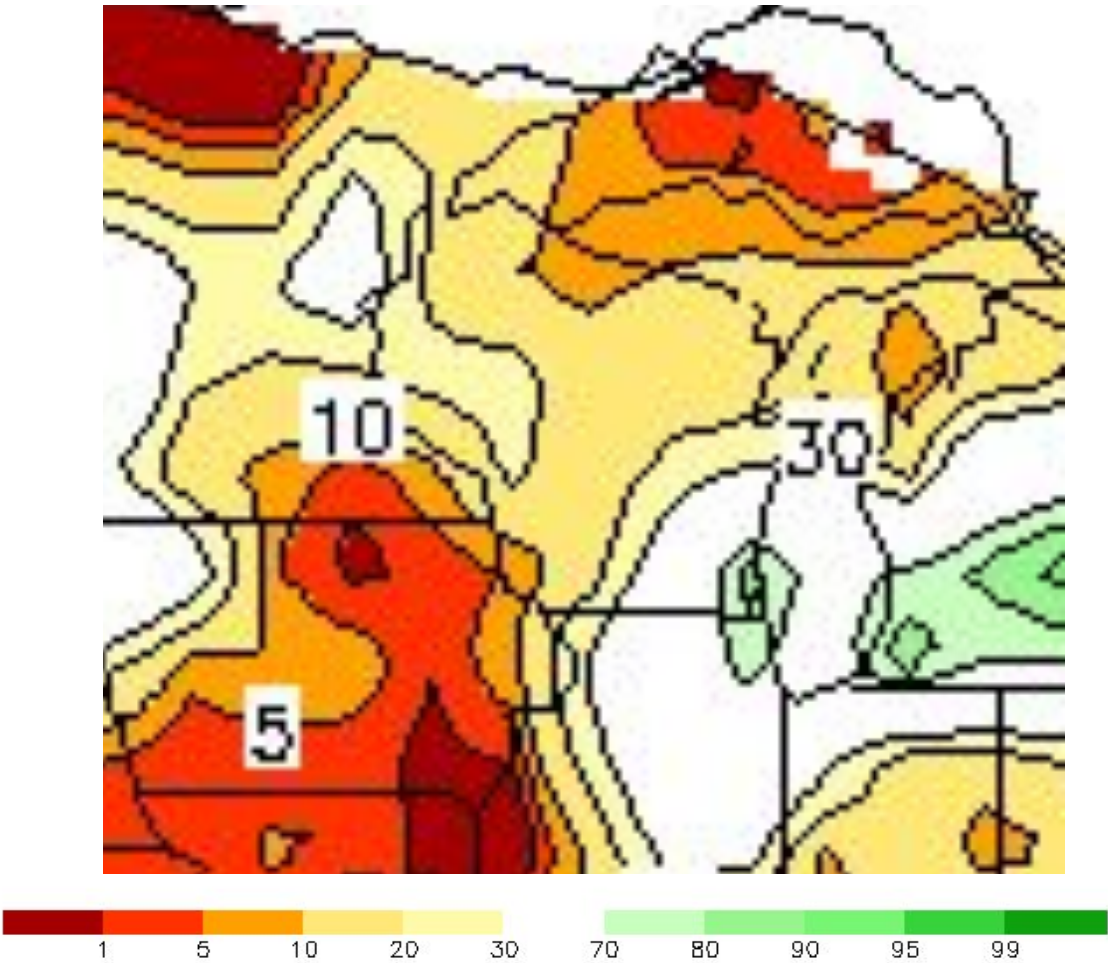
- Streamflows are in the 25-75th percentile for most of southern Wisconsin, which has increased slightly over the past week. Values are in the 76-90th percentile in far southeast Wisconsin.
- Soil moisture is in the 10-70th percent range in southern Wisconsin, with the lowest values in southwest Wisconsin.
- Soil moisture is in the 70-80th percentile in southeast Wisconsin. This is the first time values are positive since May.

28 Day Streamflow



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Climate Prediction Center Soil Moisture Percentile 10/17/2023





Summary of Impacts

October 19, 2023
10:00 AM

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Streamflows are near average for most of southern Wisconsin

Agricultural Impacts

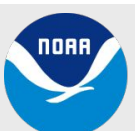
- Due to more demand and poor growing conditions, hay prices have rose dramatically this summer and fall. There are some reports of some producers selling livestock due to a lack of water and having to feed hay. [USDA Crop Conditions Report](#).

Fire Hazard Impacts

- DNR Fire Danger is rated as low

Mitigation Actions

- A [drought task force](#) has been activated in Wisconsin.
- Please refer to your municipality and/or water provider for mitigation information

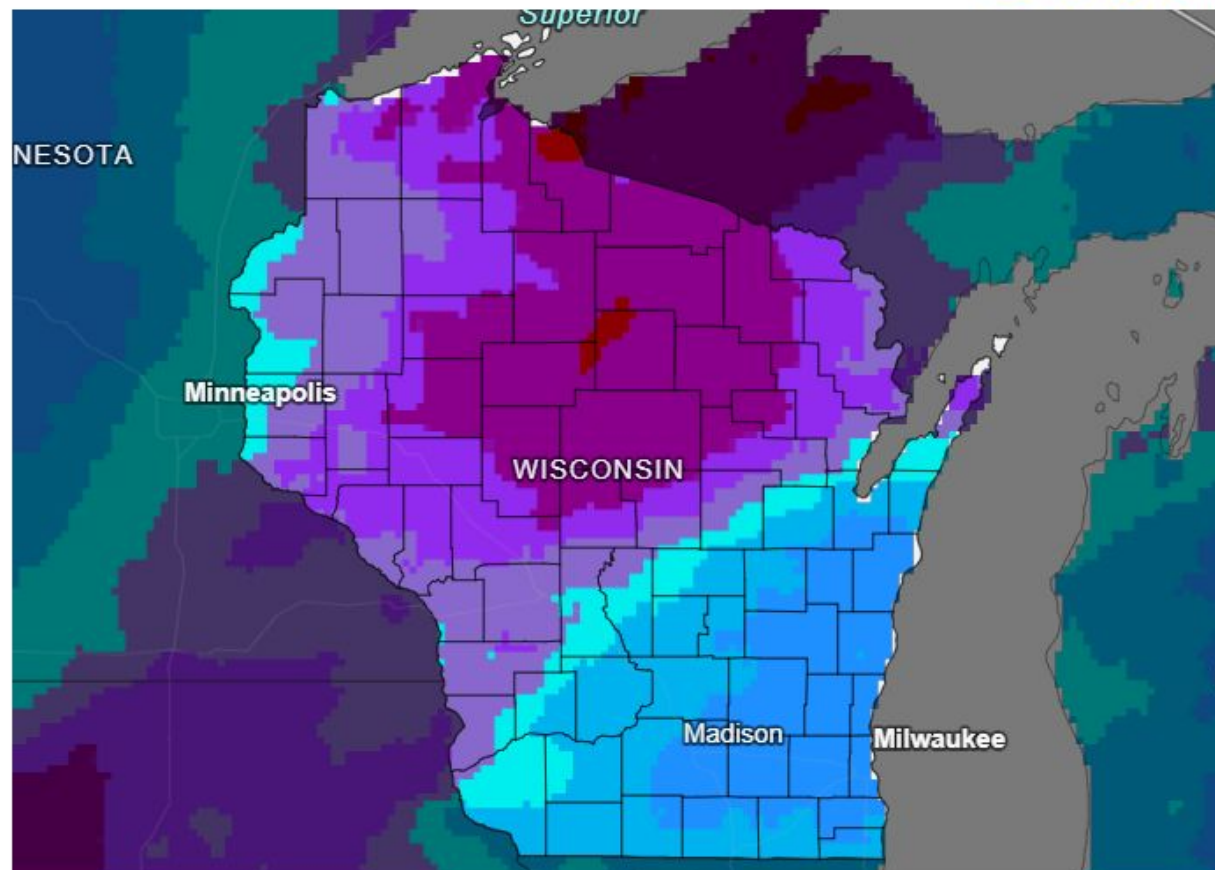




7 Day Precipitation Forecast

October 19, 2023
10:00 AM

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center
Data Valid: 10/18/23

[Drought.gov](https://drought.gov)

- There are a few chances for light rain over the next few days.
- Additional precipitation is possible for the middle to end of next week. There is uncertainty with precipitation amounts this far out but southern Wisconsin could see 0.5 to 1 inches.





Week 2 Outlook

October 19, 2023
10:00 AM

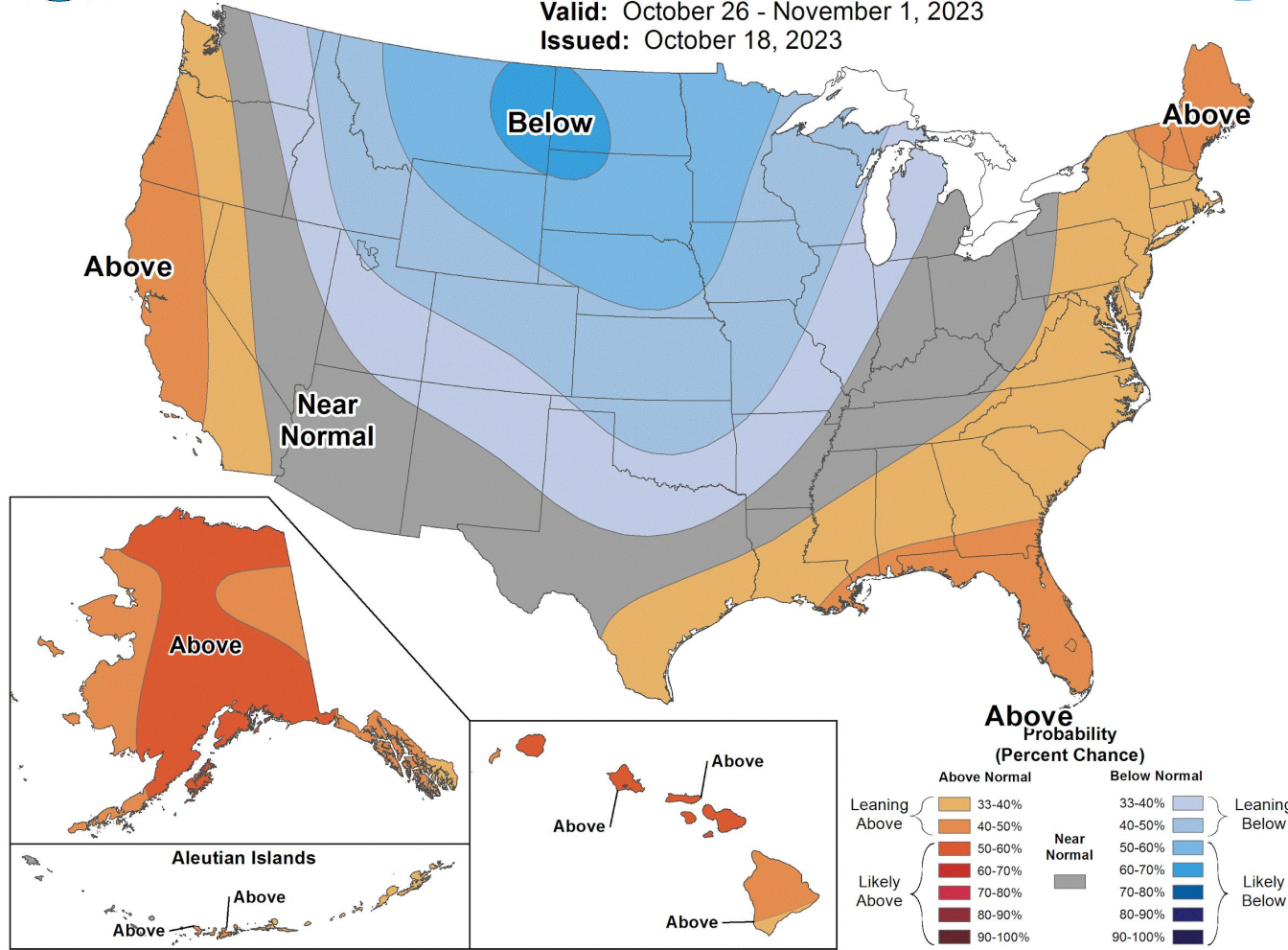
Images from the Climate Prediction Center



8-14 Day Temperature Outlook



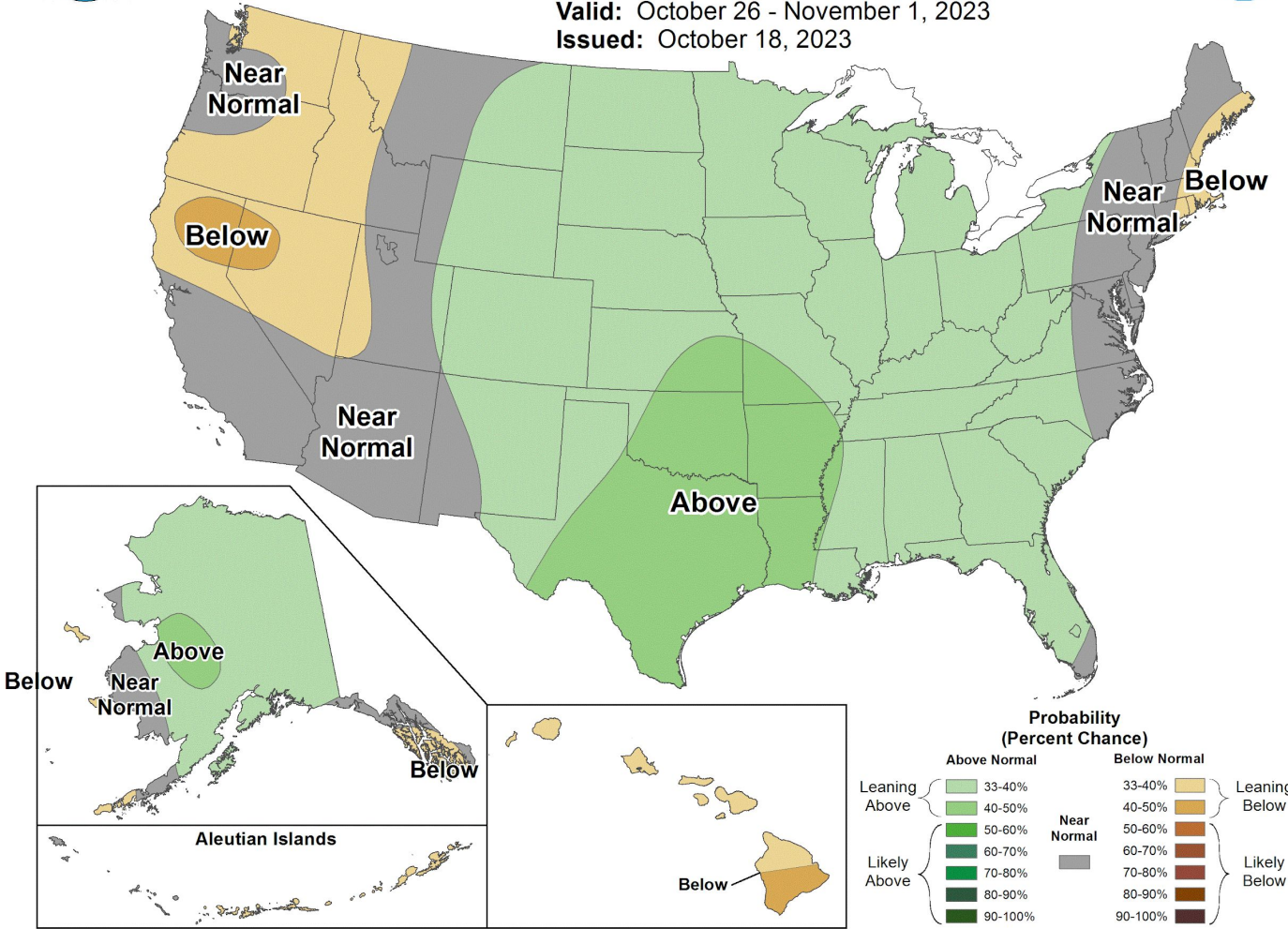
Valid: October 26 - November 1, 2023
Issued: October 18, 2023



8-14 Day Precipitation Outlook



Valid: October 26 - November 1, 2023
Issued: October 18, 2023



- During the October 26- November 1 there are increased odds for below average temperature and slightly increased odds for above average precipitation.





Extended Nov-Dec-Jan Outlook

October 19, 2023
10:00 AM

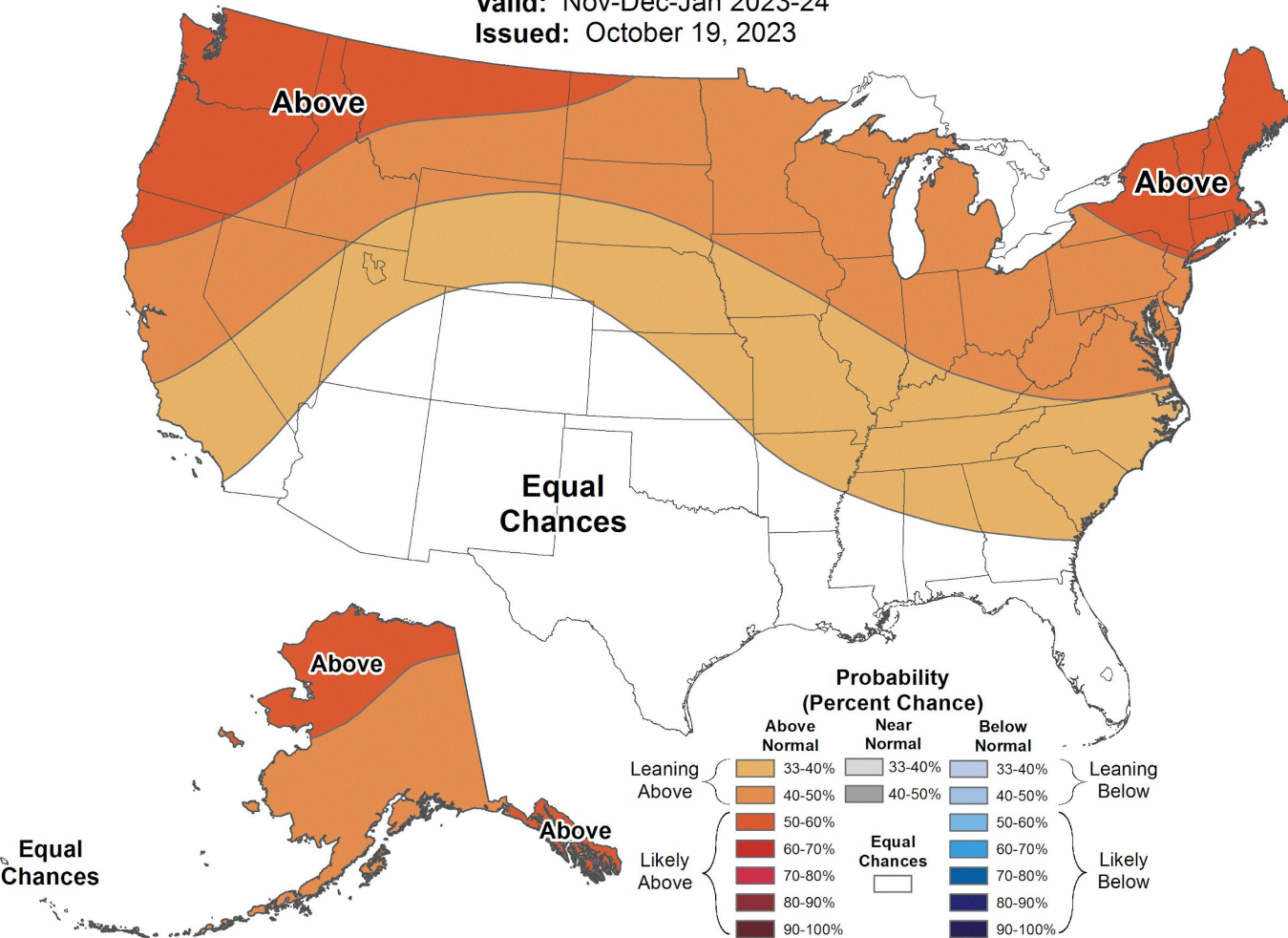
Images from the Climate Prediction Center



Seasonal Temperature Outlook



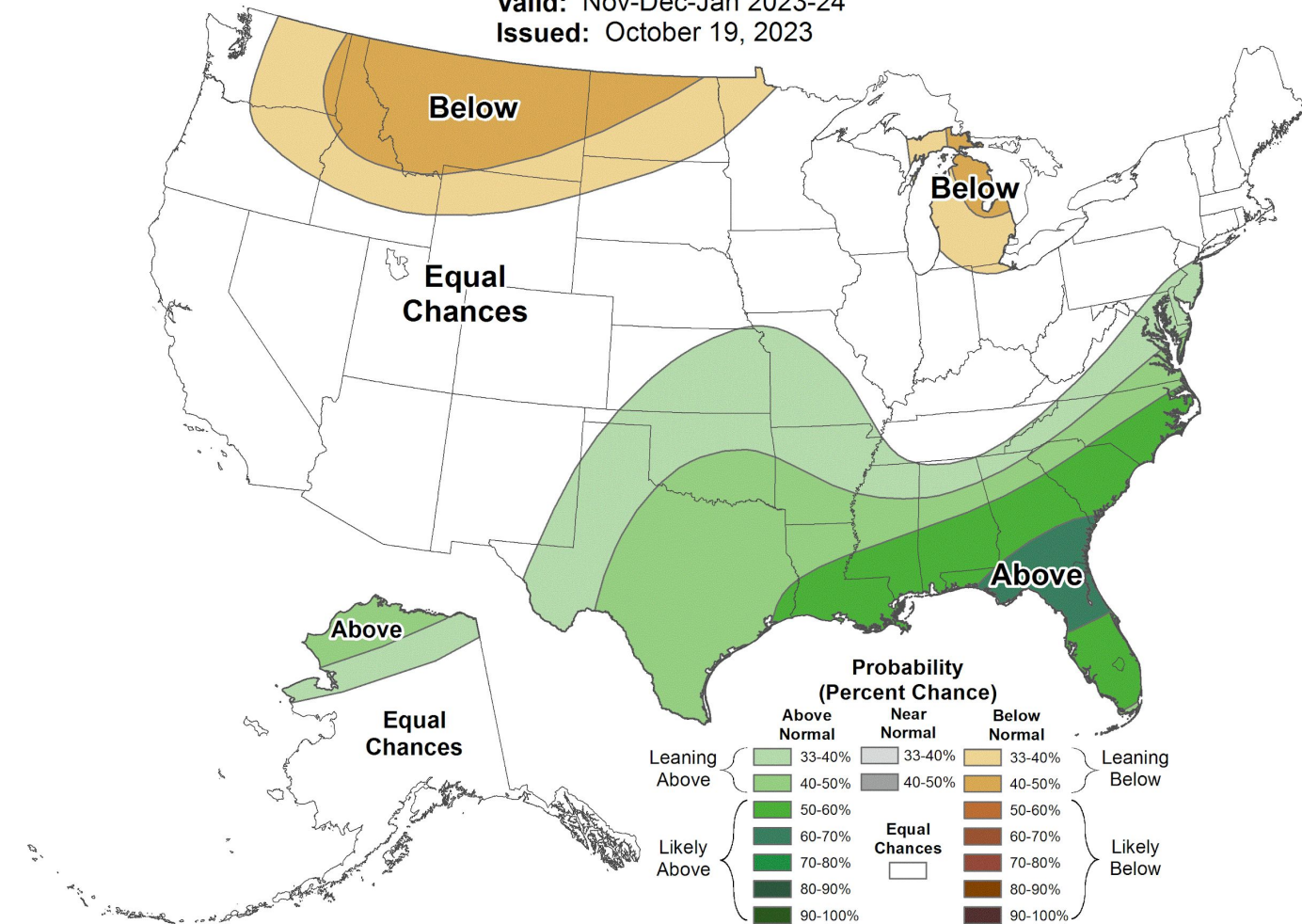
Valid: Nov-Dec-Jan 2023-24
Issued: October 19, 2023



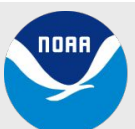
Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2023-24
Issued: October 19, 2023



- For the Nov-Dec-Jan season there are increased odds for above average temperature and equal chance for above, below and near average precipitation, meaning there is no strong signal one way or another for wetter or drier than average precipitation.





Drought Outlook

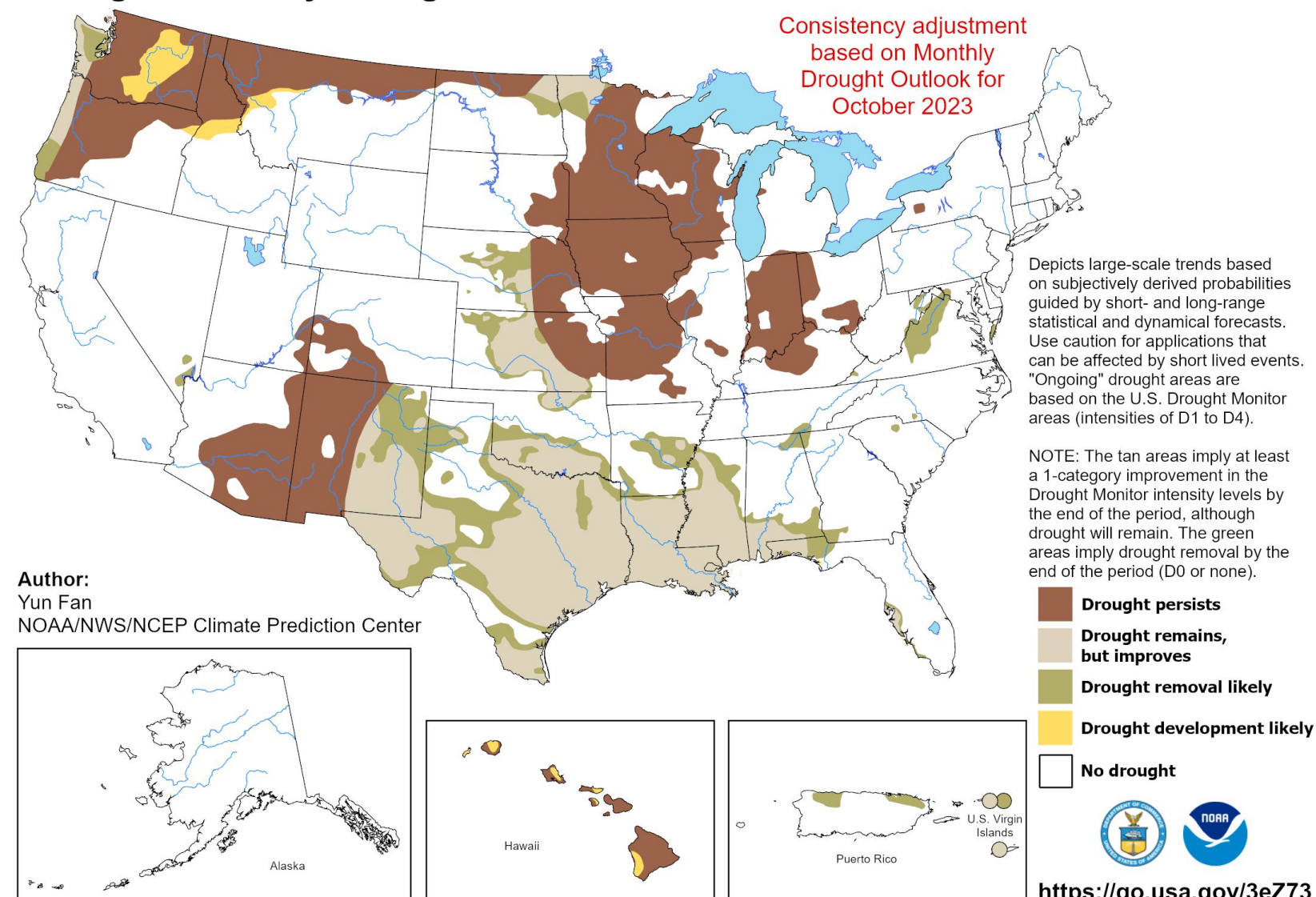
October 19, 2023
10:00 AM

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought is expected to persist through the fall / early winter
- Several more rounds of rain are needed to improve drought conditions, in areas still in drought in southern Wisconsin

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for October 1 - December 31, 2023
Released September 30, 2023



Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)
[Climate Prediction Center Seasonal Drought Outlook](#)

<https://go.usa.gov/3eZ73>

Image Caption: Climate Prediction Center Seasonal Drought Outlook



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